

## **Oak Ridge National Laboratory**

The Oak Ridge National Laboratory (ORNL) has a number of R&D efforts aiming to understand the factors and processes impacting cognitive, behavioral, social, and physiological well-being in real-time and across the human lifetime. Scientific activities are in four key areas: (1) data capture technologies to quantify the human and its environment across spatial and temporal scales; (2) big data analytics to accelerate knowledge discovery and advance the utility of data for individual and public health benefit; (3) infrastructure for data-driven modeling, simulation, and dynamic optimization of the “quantitative human”; (4) social, economic, institutional, and behavioral analyses of the intersections of interacting social, economic, environmental, and technological systems.